

Inventor(s): Akira MOCHIZUKI

DOCKET NO.: 081848-0189

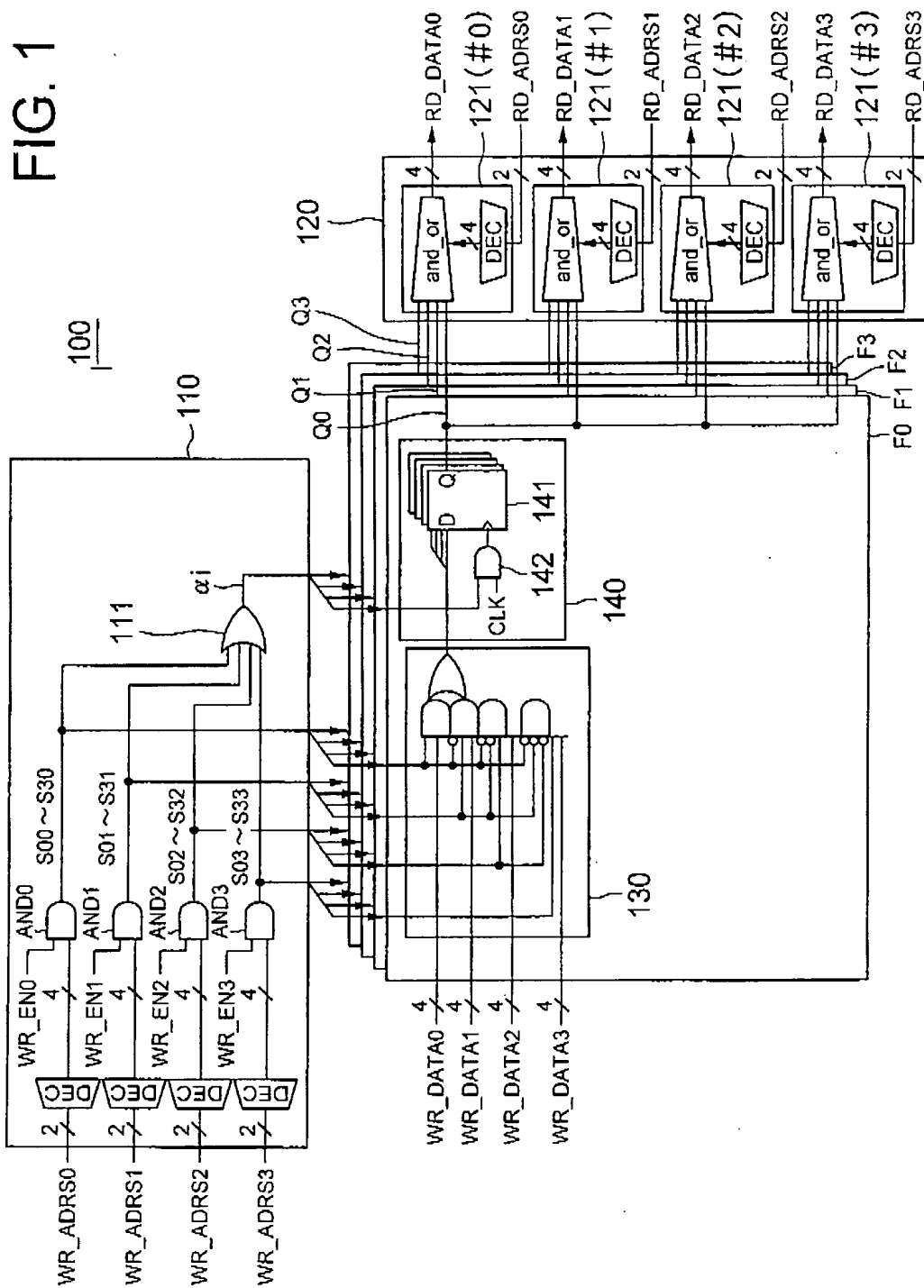


FIG. 2

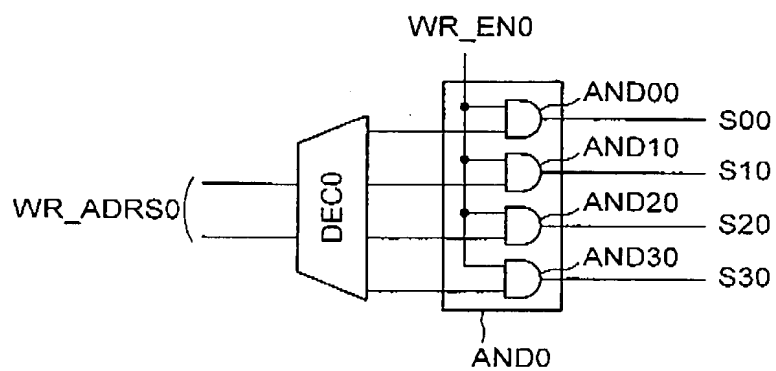


FIG. 3

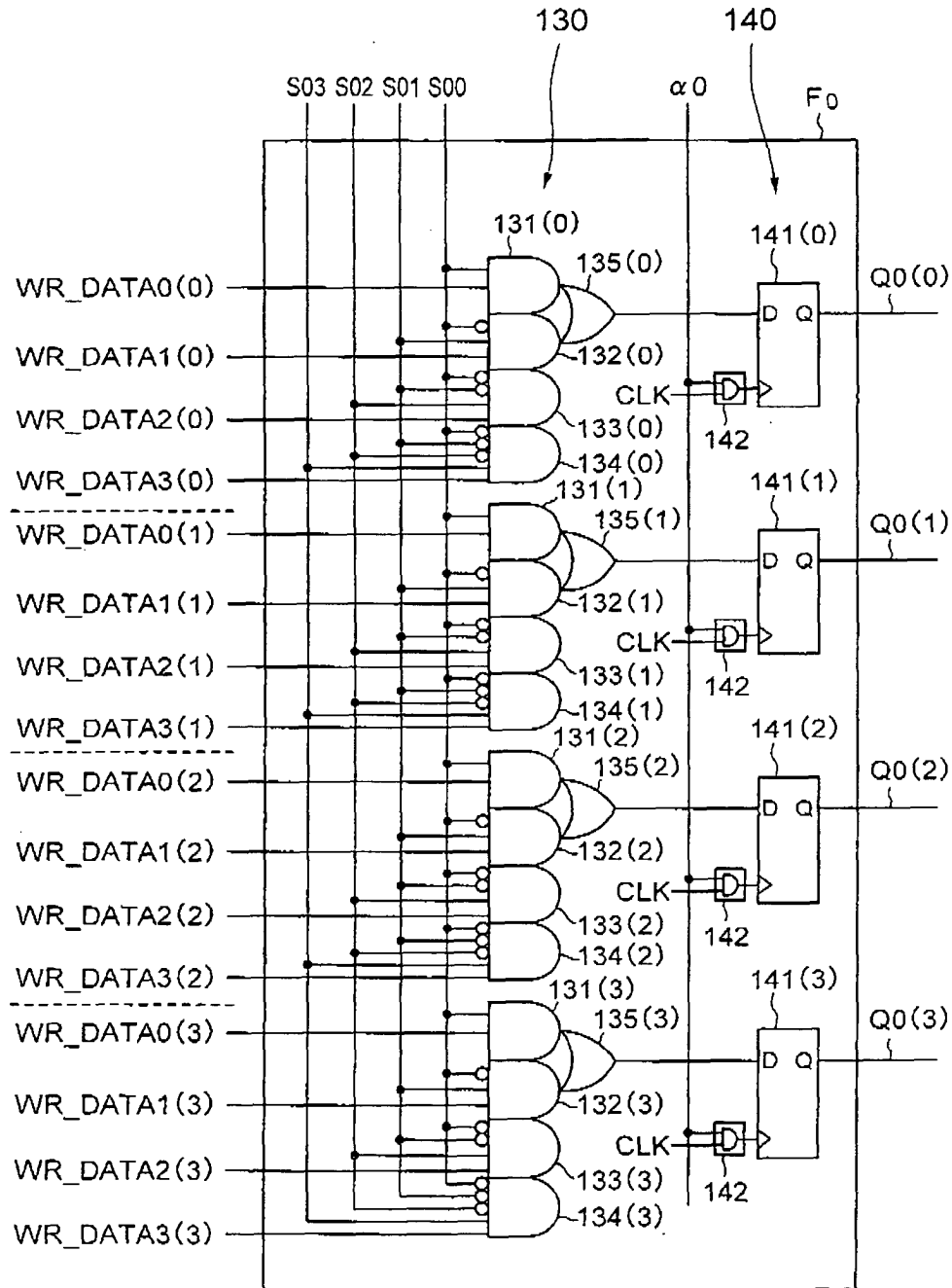


FIG. 4A

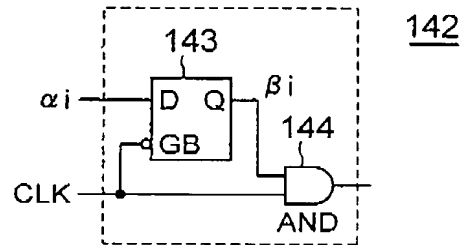


FIG. 4B

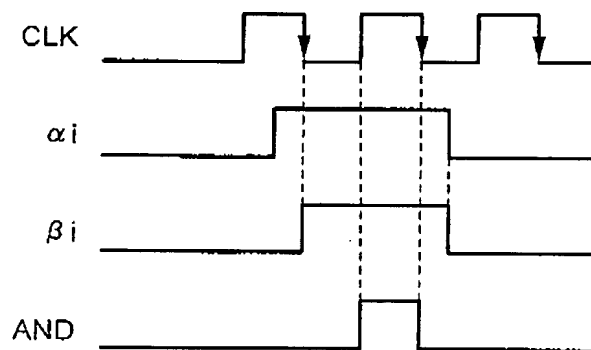


FIG. 5

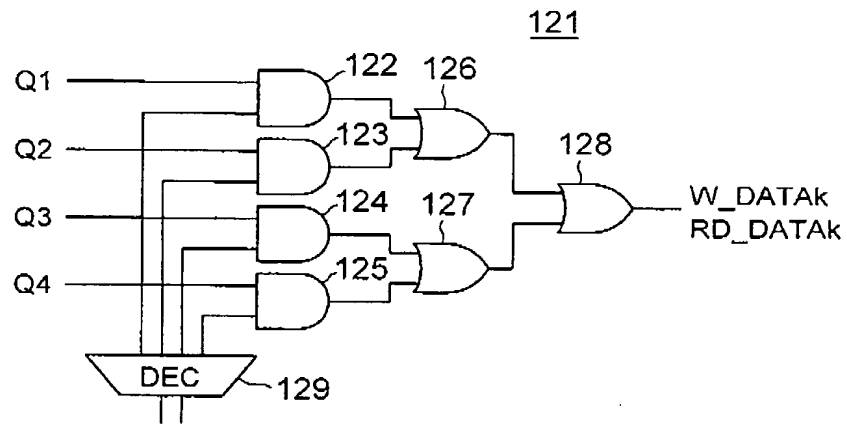


FIG. 6

```
assign Y = Q0 & ~S[1] & ~S[0] |  
          Q1 & ~S[1] & S[0] |  
          Q2 & S[1] & ~S[0] |  
          Q3 & S[1] & S[0] ;
```

FIG. 7

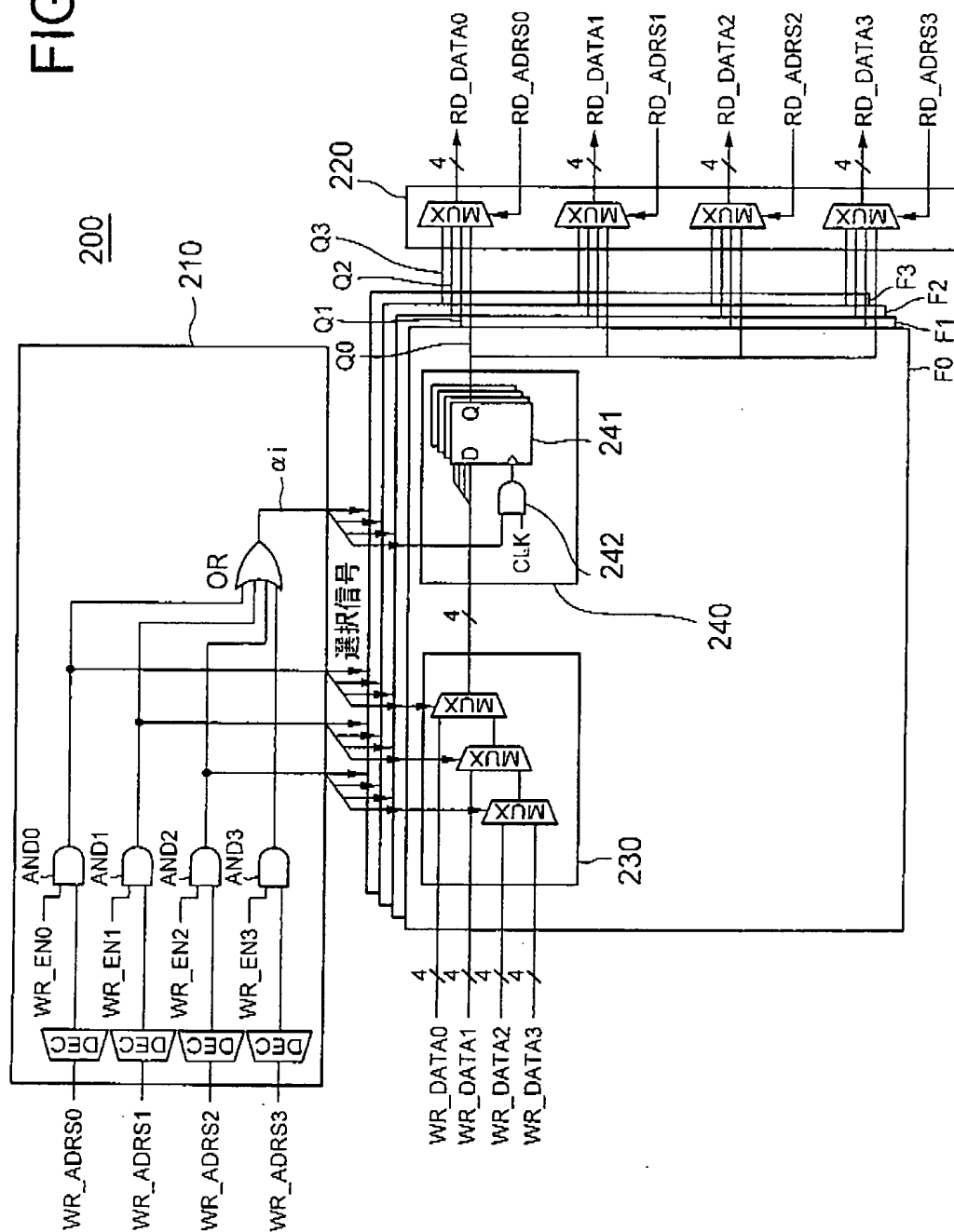


FIG. 8

```
case (S)
  2'b00:Y = Q0
  2'b01:Y = Q1
  2'b10:Y = Q2
  2'b11:Y = Q3
endcase
```

FIG. 9

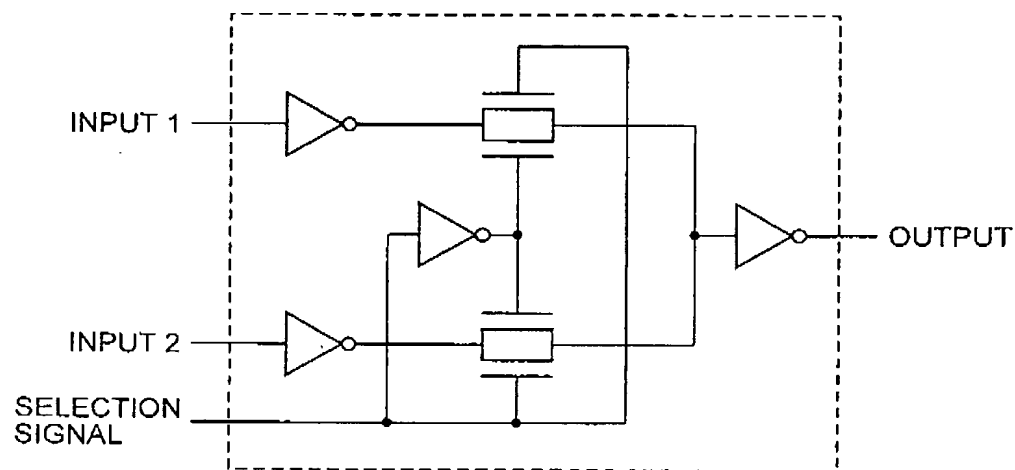
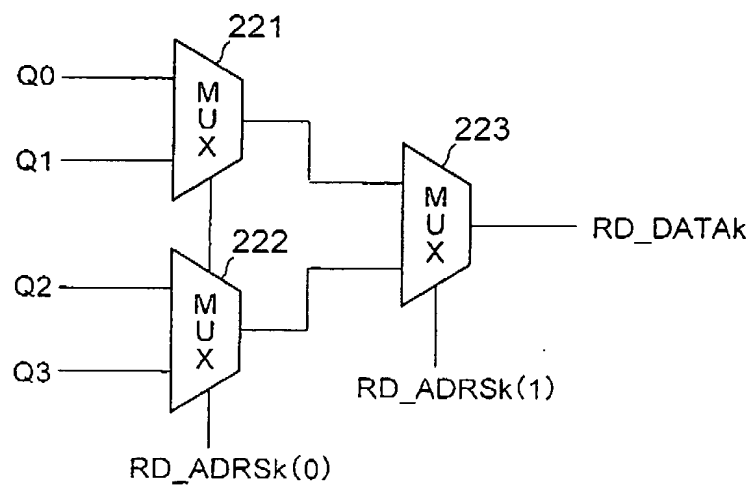


FIG. 10



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FIG. 11

